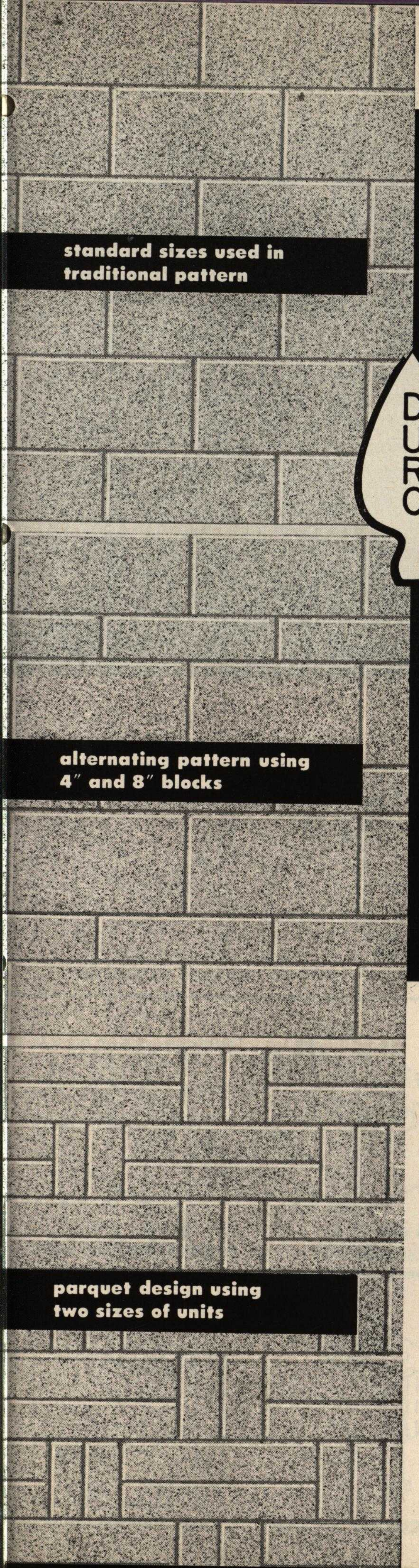


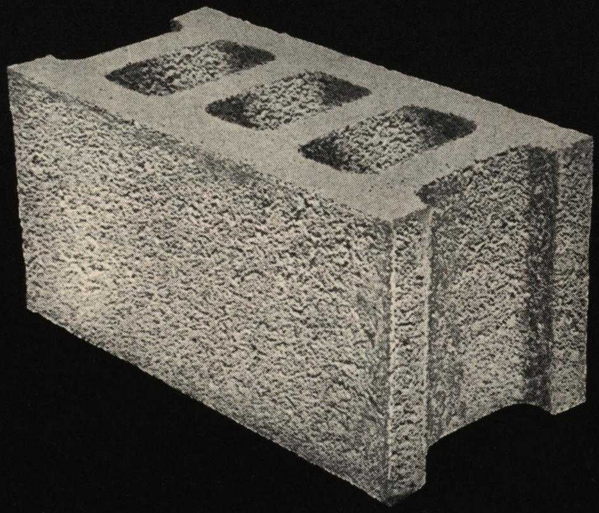
standard sizes used in traditional pattern

alternating pattern using 4″ and 8″ blocks

parquet design using two sizes of units

DURO

concrete *Masonry Units*



Duro units are available in the following aggregates:

Cinders—from industrial power plants, meeting code strength requirements; crushed, graded by Duro to insure a uniform blue gray finish color.

Slag—Blast furnace Slag, known as AMLITE, for Duro Slag light-weight units, selected and graded as outlined in National Slag Association Bulletin. (See Sweet's Section 4hNA.)

Lite-Stone—Expanded shale with the properties of strength, uniformity, light weight, insulation, nailability, acoustic, etc. Pearl gray color.

Haydite—The original light-weight aggregate which meets all the essential requirements desirable in light-weight concrete, viz., workability, economy, strength and durability.

Sand and Gravel—Clean, hard, graded for size, well washed material, free from noxious matter.

DURO BLOCK COMPANY
LOSANTIVILLE & P. R. R. CINCINNATI 37, OHIO

MANUFACTURE of DURO BLOCKS

The Duro Block Company has been manufacturing quality concrete masonry units for 24 years. Our plant at Losantiville Road & Pennsylvania Railroad in Cincinnati, Ohio is equipped with the latest modern, block making machinery.

We have ample storage facilities for the finished units, which are shipped only when the moisture content is reduced to A.S.T.M. standards.

Physical Structure

DURO UNIFORM QUALITY IS ASSURED BY:

Controlled proportion of fine and coarse aggregates; automatic water meters and cement weigh batchers; timed mixing insures quality Duro Blocks. Curing of Duro Blocks in kilns at 190°F with saturated humidity is produced by directly introducing live steam. This first increases the rate of hydration of the cement, then blocks are stored until moisture is reduced to A.S.T.M. standards.

FEATURES

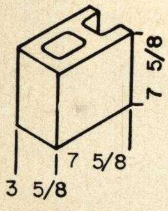
Duro quality can be judged by these features:

1. Exact modular proportions maintained through every run, true and consistent dimensions;
2. Freedom from pits, blemishes, cracks, and with an even texture;
3. Uniform color maintained throughout block, with no streaky runs;
4. Conformity to building regulations in webs and bedding surfaces;
5. Maintenance of A.S.T.M. and Federal standards in mixture, absorption, strength;
6. Firm and sharp edges and corners.

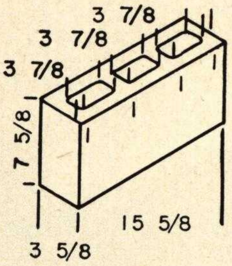
DURO MASONRY UNITS

MANUFACTURED IN HEAVY AND LIGHT WEIGHT AGGREGATES

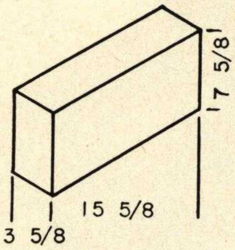
SIZES: 4x8x16, 6x8x16, 8x8x16 & 12x8x16 in full & half units



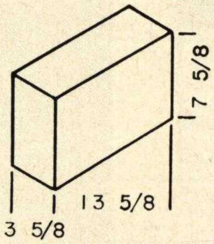
4"—½ TILE



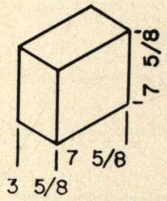
4" TILE



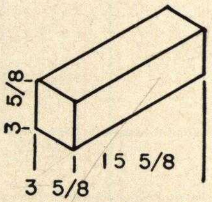
4" SOLID



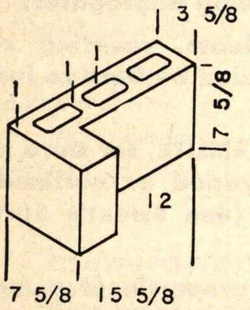
4" JOIST



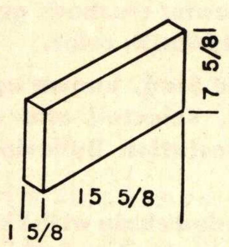
4"—½ SOLID



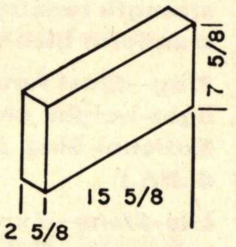
4" SOLID



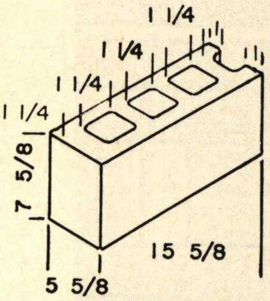
4" RETURN CORNER



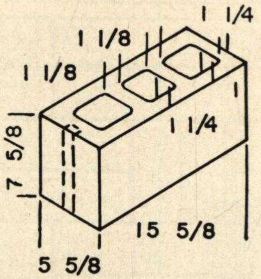
2" SOLID



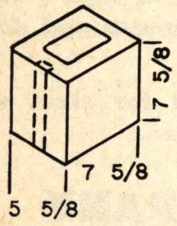
3" SOLID



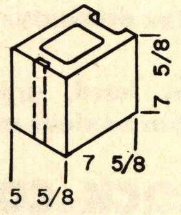
6" TILE



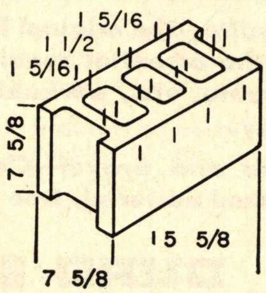
6" double CORNER or SASH



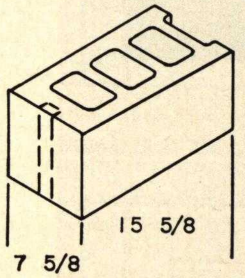
6"—½ double CORNER or CORNER SASH



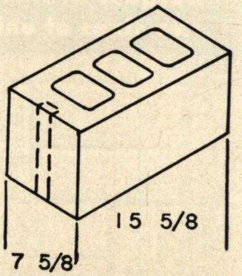
6" CORNER or SASH



8" STRINGER

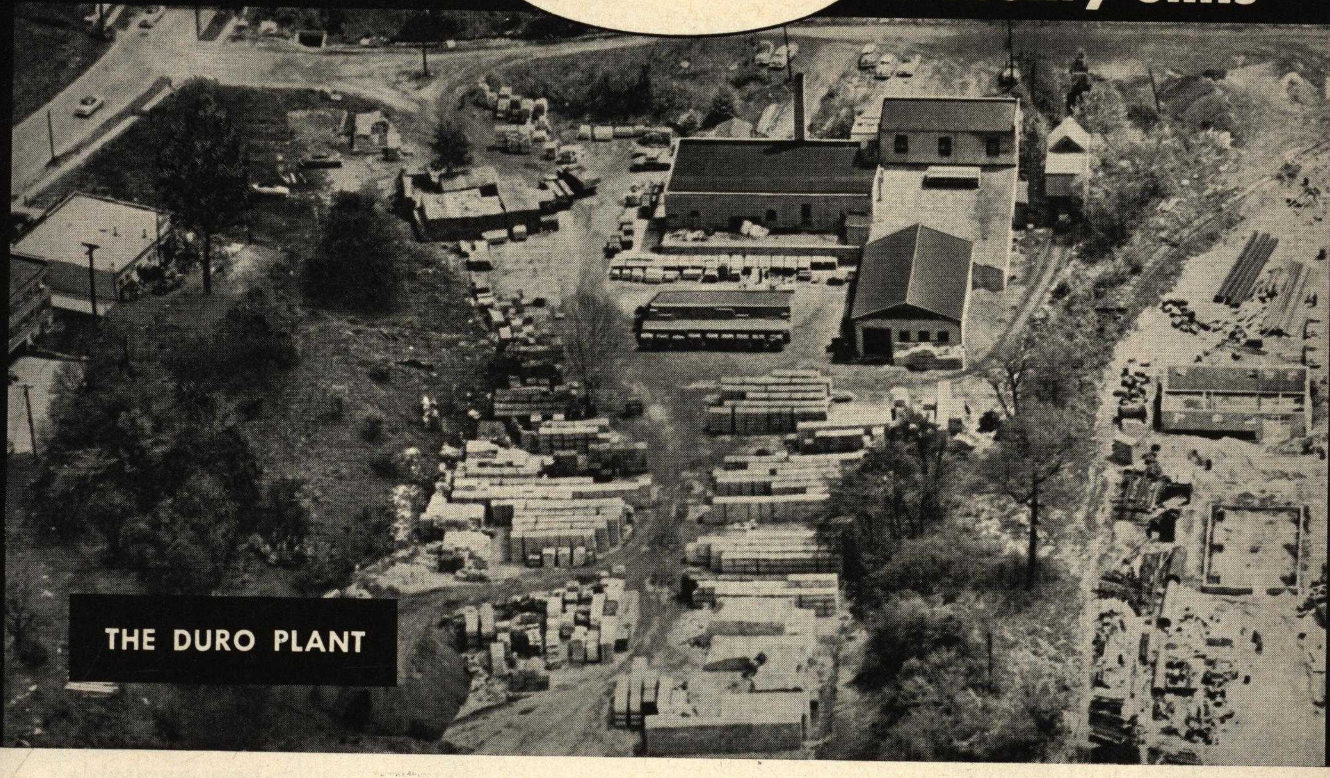


8" CORNER or SASH

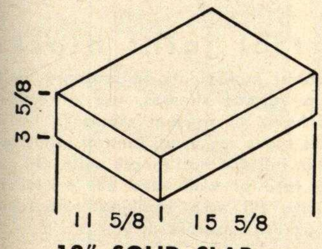


8" double CORNER or CORNER SASH

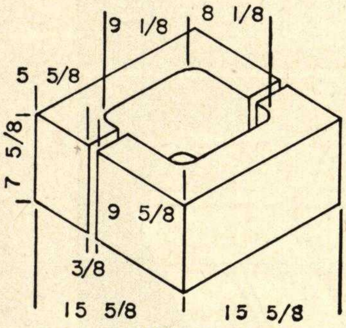
DURO cement masonry units



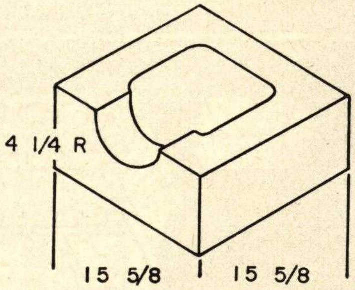
THE DURO PLANT



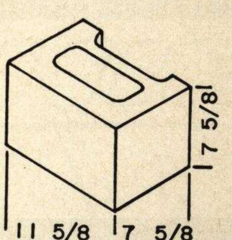
12″ SOLID SLAB



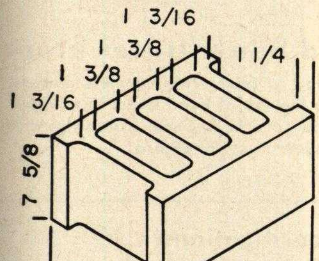
CHIMNEY BLOCK



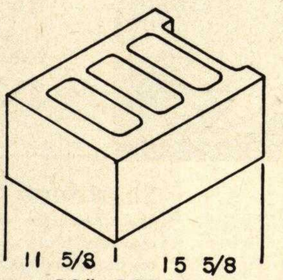
FLUE BLOCK



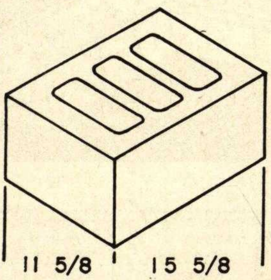
12″—½ CORNER



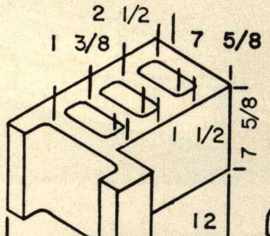
12″ STRINGER



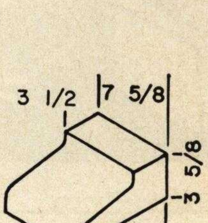
12″ CORNER



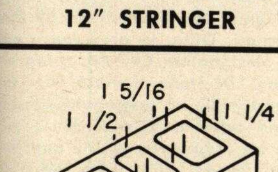
12″ double CORNER



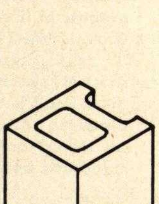
12″ RETURN CORNER



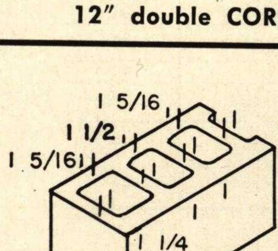
SILL



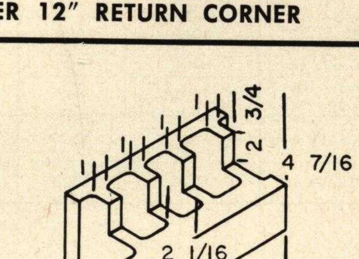
8″ double CORNER



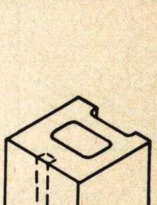
8″—½ CORNER



8″ CORNER

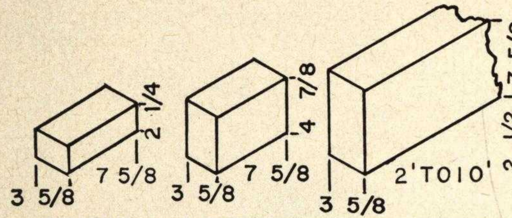


8″ HEADER FULL CUT

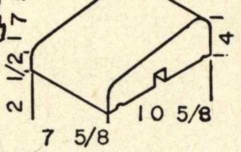


8″—½ SASH

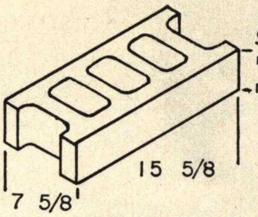
DURO concrete masonry units



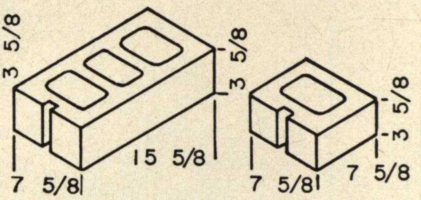
SINGLE and DOUBLE BRICK LINTELS



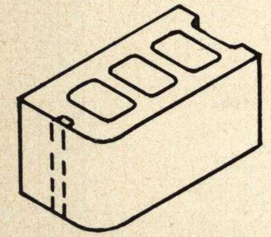
COPING



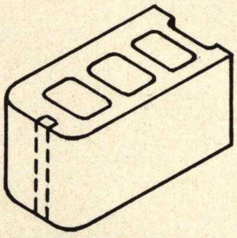
4" STRINGER



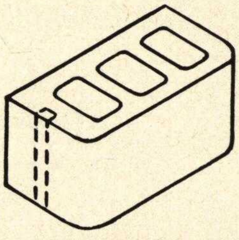
CORNER SASH and ½ CORNER SASH ASHLAR TYPES



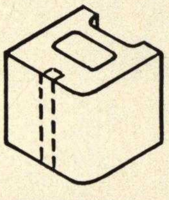
ONE BULL NOSE CORNER or SASH



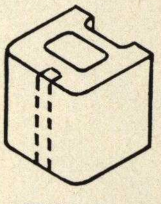
TWO BULL NOSE CORNER or SASH



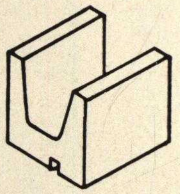
DOUBLE BULL NOSE



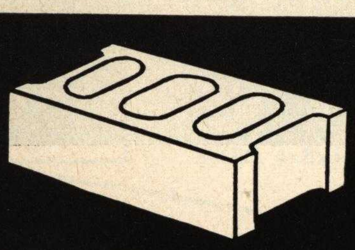
ONE BULL NOSE ½ CORNER or SASH

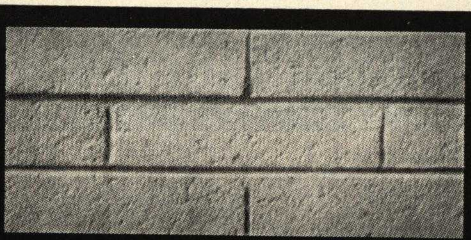


TWO BULL NOSE ½ CORNER or SASH



BEAM or LINTEL

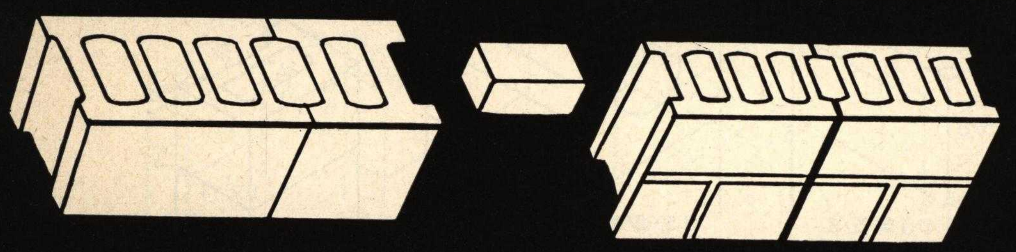




NEW TYPES

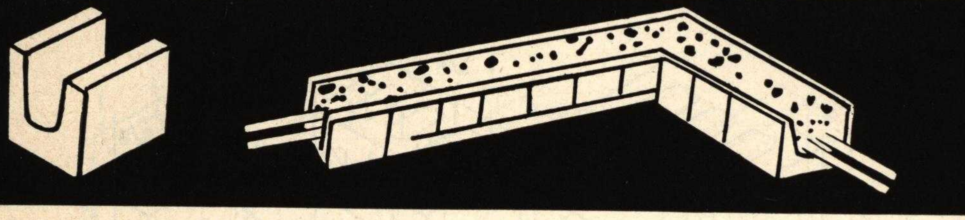
recent new types of masonry units now available

4" Half high blocks — manufactured in light and heavy weight units. You eliminate back up blocks providing an 8" wall.



control joint blocks

To control movements in masonry walls due to various stresses, use of control joints helps to prevent cracks in walls. Various types are used. Control joints are made in full and half length units. On exposed face of wall rake out mortar to ¾" and fill with caulking compound. Masonry brick used for key.



bond beam lintel block

A method of reinforcing concrete masonry walls is the use of bond beam lintel block. The architect and engineer use this method in unusual stress conditions.

TABLE 1. Physical requirements.

	Minimum face shell thickness inches	Compressive strength minimum psi. (average gross area)		Water absorption maximum lbs. per cubic foot	Moisture content maximum %
		Average of 5 units	Individual units	Average of 5 units	Average of 5 units
Standard specifications for hollow load-bearing concrete masonry units A. S. T. M. designation C-90 44	1¼" or over Grade Aa	1000	800	15	40
	Grade Bb	700	600		40
	Under 1¼" & over ¾"	1000	800	15	40
Standard specifications for solid load-bearing concrete masonry units A. S. T. M. designation C-90 44	GRADE A	1800	1600	15	40
	GRADE B	1200	1000	15	40

Short form Specifications:

The contractor shall furnish and install all concrete masonry block units in sizes and shapes as indicated on the drawings.

Block shall be "Duro" units as manufactured by Duro Block Company, Cincinnati, Ohio, in accordance with A.S.T.M. specification, designation C90-44, using aggregate of (Cinders, Slag, Lite-Stone, Haydite, Sand and Gravel.) Architect insert type of aggregate desired. _________ graded and selected in accordance with A.S.T.M. specifications for aggregate quality and size. Block shall be cured in kilns at 190°F, with live steam produced saturated humidity. After curing blocks shall be stored until the moisture is reduced to A.S.T.M. standards before shipment to the job.

DURO

DURO BLOCK COMPANY

LOSANTIVILLE & P.R.R. CINCINNATI 37, OHIO

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